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The Society.

May 10. 1897 - May 16. 1904.

MAY 19 1899

6110

THE
TWENTY-SEVENTH ANNUAL REPORT
OF THE
BOARD OF DIRECTORS
OF THE
ZOOLOGICAL SOCIETY
OF PHILADELPHIA.

(INCORPORATED MARCH 21ST, 1859.)

READ AT THE ANNUAL MEETING OF THE MEMBERS AND LOAN-
HOLDERS OF THE SOCIETY.

APRIL 27th, 1899.

PHILADELPHIA :
PRINTING HOUSE OF ALLEN, LANE & SCOTT,
1211-13 Clover Street.
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THE
ZOOLOGICAL SOCIETY OF PHILADELPHIA.

OFFICE, THIRTY-FOURTH STREET AND GIRARD AVENUE,
FAIRMOUNT PARK.

BOARD OF DIRECTORS:

| | |
|--|--|
| CHARLES PLATT, <i>President,</i> | HENRY T. COATES, <i>Treasurer,</i> |
| J. VAUGHAN MERRICK, <i>Vice-President,</i> | FRANCIS W. LEWIS, M. D., |
| WILLIAM H. MERRICK, | CHARLES M. LEA, |
| ISAAC J. WISTAR, | CHRISTIAN C. FEBIGER, |
| CHARLES W. TROTTER, <i>Vice-President,</i> | DAVID W. SELLERS, |
| FRANCIS T. FASSITT, | SAMUEL G. DIXON, M. D., |
| PROF. HENRY C. CHAPMAN, <i>Corresponding Secretary,</i> | J. BAYARD HENRY, |
| GALLOWAY C. MORRIS, | JAMES B. LEONARD, |
| | ARTHUR ERWIN BROWN, <i>Recording Secretary,</i> |
| | THOMAS BIDDLE, M. D. |

ACTUARY.

CHARLES L. JEFFERSON.

ASSISTANT SUPERINTENDENT.

ROBERT D. CARSON.

MAY 19 1899

REPORT OF THE BOARD OF DIRECTORS.

PHILADELPHIA, April 27th, 1899.

The Board of Directors of the Zoological Society of Philadelphia submit to the members and loan-certificate holders their twenty-seventh annual report of the operations of the Society for the year ending on the 28th of February, 1899.

GENERAL AFFAIRS AND FINANCES.

The number of members on the 1st of March, 1899, was—

| | |
|---------------------------------|-------|
| Annual members | 320 |
| Life members | 1,326 |
| Corresponding members | 9 |
| Honorary members | 21 |
| Perpetual members | 261 |

Total members (exclusive of loanholders) . . . 1,937

The following is a report in detail of the admissions and receipts for the year :—

| | |
|--|---------------------|
| Adults (paying at gates) | 99,060 |
| Children (paying at gates) | 35,909 |
| Members (including Life and Annual Members, loanholders' annual, and complimentary annual tickets) | 1,739 |
| Loanholders' single tickets | 6,861 |
| Free admissions (charitable institutions, donors' tickets, &c.)* | 2,984 |
| Coupon tickets | 144 |
| Excursion tickets | 6,319 |
| | <hr/> 153,016 <hr/> |

* In addition to these, 125,000 tickets were issued to the Board of Education, for the admission of pupils of the Public Schools.

*Monthly Record of Visitors for 1898-99, with corresponding
account for 1897-98.*

| MONTH. | 1897-98. | 1898-99. | COMPARISON. |
|--------------------|----------|----------|---------------------|
| March | 6,898 | 7,068 | Increase . . 170 |
| April | 16,193 | 11,565 | Decrease . . 4,628 |
| May | 26,672 | 17,956 | " . . 8,716 |
| June | 17,103 | 14,179 | " . . 2,924 |
| July | 16,436 | 17,077 | Increase . . 641 |
| August | 26,711 | 25,934 | Decrease . . 777 |
| September | 20,642 | 19,628 | " . . 1,014 |
| October | 15,242 | 19,254 | Increase . . 4,012 |
| November | 9,874 | 6,846 | Decrease . . 3,028 |
| December | 5,147 | 5,287 | Increase . . 140 |
| January | 6,127 | 4,630 | Decrease . . 1,497 |
| February | 6,954 | 3,592 | " . . 3,362 |
| | 173,999 | 153,016 | Decrease . . 20,983 |

Average daily admissions 419
 The greatest number of visitors on any one day was
 on Saturday, August 27th 4,199

*Monthly Record of Receipts from Admissions for 1898-99, with
corresponding account for 1897-98.*

| MONTH. | 1897-98. | 1898-99. | COMPARISON. |
|---------------------|-------------|-------------|-------------------------|
| March | \$1,102 53 | \$1,118 09 | Increase . . \$15 56 |
| April | 2,313 78 | 1,618 14 | Decrease . . 695 64 |
| May | 3,766 93 | 2,175 90 | " . . 1,591 03 |
| June | 2,239 98 | 1,881 93 | " . . 358 05 |
| July | 2,158 72 | 2,284 71 | Increase . . 125 99 |
| August | 3,268 17 | 3,309 08 | " . . 40 91 |
| September, | 2,765 59 | 2,506 31 | Decrease . . 259 28 |
| October | 2,125 74 | 2,764 37 | Increase . . 638 63 |
| November, | 1,311 88 | 1,020 44 | Decrease . . 291 44 |
| December | 797 55 | 729 99 | " . . 67 56 |
| January | 977 11 | 797 09 | " . . 180 02 |
| February | 1,080 78 | 464 02 | " . . 616 76 |
| | \$23,908 76 | \$20,670 07 | Decrease . . \$3,238 69 |

Average daily receipts from admissions \$56 63
 The largest amount of receipts at the gates on any
 one day was on Monday, May 30th 348 75

Total Receipts on the several days of the week, and their respective averages for 1898-99.

| RANK. | DAYS. | TOTAL RECEIPTS. | AVERAGE. |
|-------|---------------------|-----------------|----------|
| 1 | Sunday | \$7,211 69 | \$138 69 |
| 2 | Saturday | 5,464 90 | 105 09 |
| 3 | Monday | 2,076 56 | 39 93 |
| 4 | Thursday | 1,655 40 | 31 83 |
| 5 | Wednesday | 1,654 32 | 31 81 |
| 6 | Friday | 1,316 55 | 25 32 |
| 7 | Tuesday | 1,290 65 | 24 35 |
| | | \$20,670 07 | |

The decrease in the revenue from admissions, noticeable for some years, has continued.

When the factors entering into a problem are so numerous as in this case, it is not easy to assign to each its proper value, but a careful analysis seems to indicate certain conditions, each of which contributes its share to this decrease. The establishment in 1891 of a low rate of admission on Saturdays and holidays, in response to what was felt to be a public need, has failed to realize the hopes of the Board, in that while the gain to persons of small means in being placed within easy reach of the facilities of the Gardens cannot be denied, the increased number profiting thereby has not been sufficient to balance the reduction in the rate, and a considerable annual loss has resulted. To some extent, also, the issue of 125,000 tickets yearly, for the use of pupils of the public schools, necessarily subtracts from the number of visitors paying at the gates, although this loss may be willingly borne in consideration of the obvious and widely distributed advantages resulting from the use of these tickets.

A third cause lies in the extension of the trolley lines of railway into the suburbs, with the attendant opening of a number of pleasure gardens, presenting new and varied forms of amusement, which distract the public from old-established and constant places of resort. Of interest in this connection, and doubtless owing to the same cause, is the fact that there was a decrease of nearly one-quarter in the number of pedestrians entering Fairmount Park in 1898 as compared with 1897.

Whatever may be the causes of the deficiency, the dependence of the existence of the Gardens upon the appropriations made by the City Councils becomes each year more apparent, and the generous and enlightened aid thus received cannot be too gratefully acknowledged.

THE GARDENS.

Nine hundred and sixty-one specimens were living in the menagerie at the close of the year, comprising 351 mammals, 425 birds, 173 reptiles, and 12 batrachians.

The total number of accessions was as follows:—

MAMMALS:—

| | |
|-------------------------------|-------|
| Purchased | 65 |
| Presented | 53 |
| Born in the Gardens | 56 |
| | — 174 |

BIRDS:—

| | |
|-------------------------------|-------|
| Purchased | 121 |
| Presented | 63 |
| Born in the Gardens | 44 |
| | — 228 |

REPTILES AND BATRACHIANS:—

| | |
|-------------------------------|-------|
| Purchased | 243 |
| Presented | 72 |
| Born in the Gardens | 24 |
| | — 339 |
| | — 741 |

Of special interest among these was a Levaillant's amazon (*Chrysotis levaillanti*), presented March 1st by Mrs. Charles

C. Harrison. On March 2d the black-backed jackal (*Canis mesomelas*) of Africa, bred for the first time in our collection.

A young male chamois (*Rupicapra tragus*), purchased March 5th. This being but the second of the species which the Society has possessed, the fact that it only lived a few weeks after arrival was much regretted. The whole course of experience at the Gardens seems to show that the climatic conditions under which we are placed are distinctly unfavorable to the acclimation of herbivora whose natural range is in elevated regions.

On April 15th a male Bactrian camel was purchased. A few days previous to this arrival the female purchased in 1897 produced young, also a female, so that the Society will again be able to breed these animals.

A specimen of the silky marmoset (*Midas rosalia*) was purchased on April 26th. This beautiful species is found from Panama to Brazil, and had never before been shown in the collection. Two young purple-faced monkeys (*Semnopithecus cephalopterus*) from Ceylon were received by purchase on April 28th, and shortly afterwards an adult of the same rare species was received.

On May 7th some valuable specimens were purchased from W. Jamrach, of London. Among them were a pair of young oryx antelopes (*Oryx leucoryx*) the female of which unfortunately died during the voyage. She was replaced, however, later in the year, and this fine species is now represented in the Gardens by a pair, for the first time since 1890. At the same time was received one specimen each of Owen's kiwi (*Apteryx oweni*) and Mantell's kiwi (*A. mantelli*). These strange birds, representing in New Zealand, the gigantic extinct struthious birds formerly plentiful in that island, were placed in one of the outside aviaries west of the deer park, and lived there through the summer, but their strictly nocturnal habits led them to spend the whole day under a pile of brush provided for their retreat, and few visitors were able to see them. A pair of jungle fowl (*Gallus bankiva*) were received as a gift from Dr. Thomas

Biddle, but as is the case with many of these birds exported from India, it is doubtful if they are of pure breed.

On May 12th two white-nosed coatis (*Nasua narica*) were presented by A. J. Kearny, B troop, Fifth United States Cavalry, having been captured by him near Laredo, Texas. Two specimens of the Texas king snake (*Ophibolus getulus splendidus*) were received about the same time. This fine species was new to the collection.

A number of animals purchased from Carl Hagenbeck arrived from Hamburg on May 22d. Of these the following were new to us: a pair of young wild asses from Askabad, Persia, the species being the Persian form (*Equus onager* of many authors) of the ass widely distributed through central and southwestern Asia, *Equus hemionus*, Pall. The female of this pair died in August, as a result of the great heat and humidity which prevailed at that time, but it is hoped that another may be secured to replace her. The collection contained also a specimen of the Pluto monkey (*Cercopithecus leucampyx*) from West Africa; two banded ichneumons (*Crossarchus fasciatus*); a marabou stork (*Leptoptilus crumeniferus*) from Africa; a pair of lag or gray geese (*Anser anser*), and two lesser spotted eagles (*Aquila pomarina*) from southern Russia.

Females of the nylghaie and sing-sing antelopes were procured at the same time to complete pairs.

An example of a rare species of passerine parrakeet (*Psittacula guianensis*) from Caracas, Venezuela, was presented May 30th, by Master Donald R. McCain.

On the 2d of June a young male gibbon (*Hylobates agilis*) was purchased from a dealer in New York, and has proved to be a most interesting accession. As it is highly important in the care of these delicate apes, that they should be protected from the generous but indiscriminate feeding propensity of visitors, this animal was placed in the keeper's room at the Monkey House, in company with the young orang brought from Borneo by Dr. Furness in December, 1896, until the completion of the Small Mammal House, since when, he has been provided for in the hot room of that building.

In the same month were received specimens of the western hog-nosed snake (*Heterodon nasicus*) from Pecos, Texas; two giant squirrels (*Sciurus indicus*), a splendid species from India; several Madagascar tree boas (*Corallus madagascariensis*); the sharp-nosed snake (*Lioheterodon madagascariensis*); Dahl's snake (*Zamenis dahl*); and the lacertine snake (*Cælopettis monspessulanus*), the last two being native to southern Europe. All of the above being new to the collection.

Two ring-tailed bassaris (*Bassarid astuta*) were born on June 23d, this being the first occasion on which this interesting species has bred with us.

A second purchase of animals from W. Jamrach reached the Gardens on June 28th. Of interest was a fine pair of tigers from India, about one year old; a female oryx antelope; a Beccari's cassowary (*Casuarid beccari*); and numerous examples of two gallinules from southern Asia (*Porphyrion poliocephalus* and *P. calvus*).

Early in July a number of reptiles were received from Texas, among them being Emory's snake (*Coluber emoryi*) and Lindheimer's snake (*C. lindheimeri*), rarely received in a living state.

During July many interesting birds were purchased. Special mention may be made of a fine pigeon from South Africa (*Columba maculosa*), of which two specimens were received; the European wood pigeon (*C. palumbus*); two gray struthideas (*Struthidea cinerea*) from Australia; the Poe honey eater, or pastor bird (*Prothemadera novæ-zelandiæ*); the blue-billed tree duck (*Dendrocygna javanica*); and the European coot (*Fulica atra*).

A binturong (*Arctictis binturong*) was received by purchase on July 26th. This species is one of the largest of the *Viverridæ*, related to musk cats, and inhabits many islands of the Malayan groups, extending to the east as far as Palawan, one of the westernmost Philippines.

Mr. H. C. McIntyre presented on August 24th a rare horned lizard (*Phrynosoma orbiculare*) from Mexico.

On the 27th a male muntjac deer (*Cervulus muntjac*) was purchased to mate the female which has been for several

years in the collection, and at the same time were received two lammergeyers, or bearded vultures (*Gypætus barbatus*); two Adalbert's eagles (*Aquila adalberti*) from Spain; some choughs (*Pyrrhocorax graculus*); and several pairs of Japanese teal.

A number of animals, chiefly monkeys and parrakeets, were presented on September 21st by Mr. C. B. Weeks, Alenhurst, N. J., and shortly afterwards two tortoises (*Testudo angulata*) from Kimberly, South Africa, were received as a gift from Mr. Horace Smith, of Philadelphia.

A specimen of the black-throated blue warbler (*Dendroica cærulescens*) was captured in the Gardens late in September, and was for the first time placed in the collection of native birds.

During the remainder of the year additions of minor interest were made, among them being a yaguarundi cat from Mexico; a pair of muis deer (*Tragulus javanicus*); and a pair of wonga-wonga pigeons (*Leucosarcia picata*) from Australia.

On January 19th four cubs were born from a pair of brown bears (*Ursus arctos*) from Russia, which have been in the Gardens since 1894. The occurrence is worthy of record from the rarity with which bears breed in captivity, and also from the unusual number contained in the litter.

A specimen of Holboëll's grebe (*Colymbus holbælli*) was captured near New Brunswick, N. J., on February 16th, by Mr. Harvey Myers, and was presented by him to the Society. This species is an inhabitant of the far North and is a very rare winter visitor in this latitude.

The births during the year were as follows:—

- 2 black-backed jackals (*Canis mesomelas*), born March 2d.
- 6 prairie wolves (*C. latrans*), born April 21st and 30th.
- 2 ring-tailed bassaris (*Bassarid astuta*), born June 23d.
- 4 brown bears (*Ursus arctos*), born January 19th.
- 1 Bactrian camel, born April 13th.
- 7 hog deer, born May 10th, August 19th, September 16th, October 8th, January 30th, February 23d.

- 3 Virginia deer, born May 18th, June 11th.
- 5 wapiti (*Cervus canadensis*), born July 7th and 14th, August 14th, September 1st and 28th.
- 1 red deer (*C. elaphus*), born August 8th.
- 2 fallow deer (*C. dama*), born June 10th, August 14th.
- 2 axis deer, born January 3d and 30th.
- 3 Indian antelopes, born July 12th and 13th, February 27th.
- 1 Chapman's zebra ♀, born May 30th.
- 8 prairie dogs (*Cynomys ludovicianus*), born in May.
- 1 red kangaroo, born July 28th.
- 6 common opossums (*Didelphys virginianus*), born August 2d.
- 7 golden pheasants.
- 9 Amherst pheasants.
- 18 silver pheasants.
- 10 jungle fowl (of doubtful purity).
- 3 banded water snakes (*Tropidonotus fasciatus*), born August 11th.
- 17 cyclops water snakes (*T. cyclopeum*), born September 19th.
- 4 Sacken's garter snakes (*Eutænia sackeni*), born August 23d.
- 3 ground rattlesnakes (*Sistrurus miliarius*), born September 16th.

The losses by death have not been large, in spite of the unfavorable weather conditions by which the year has been singularly marked, the extreme range of temperature observed at the Gardens having been no less than 104° F., while the summer was notable for continued and extreme humidity, and the low temperature of February was accompanied by high winds and an unusual snowfall.

The most important deaths were the female Persian ass, already referred to; a condor vulture, purchased May 7th, 1875; a female American bison, bred in the Gardens April 24th, 1881; the lion "George," purchased June 13th, 1882, and the female Chapman's zebra, bred in May last, which died January 3d, from pneumonia.

The chief disappointment of the year attended upon the efforts of Dr. William H. Furness and Mr. Alfred Harrison, Jr., to convey to the Society as a gift, a family of oranges. Though fully aware of the difficulty of safely transporting these adult apes, these gentlemen generously secured in Singapore a full-grown female with a young one and an old male, and provided with all possible forethought against the needs of the voyage. The female and the young one died, however, in transit, and the surviving male reached the Gardens on June 13th in such a weak state that he died on the following day. This animal was fully adult, measuring four feet one inch in height, seven feet two inches across the outstretched arms, and ten inches across the temporal callosities. The impression produced by this truly extraordinary animal upon those who saw him during the brief interval before his death, was so marked that it is a lasting regret that he could not have lived long enough to enable the visiting public to observe the characters of this species when fully mature.

The collection of small mammals never having been suitably provided for, it was determined to erect a building for the purpose upon the site of the old Monkey House, the destruction of which was begun in May, all of the building being torn down with the exception of the part of the cut-stone foundation above the ground line. The new building is of buff brick with terra-cotta facings, upon a cut-stone base, and in plan is a square of forty-eight feet with the corners cut off. The whole effect is pleasing, and the heating and ventilation have proved to be especially satisfactory. On the night of February 9th, when the temperature outside fell to — 6° F., the minimum thermometer inside of the building registered sixty-nine degrees. It was completed at a cost of \$6535, and was opened to the public on October 23d.

Early in the morning of October 20th a fire broke out in the Restaurant and destroyed the whole interior of the building. The old Small Mammal House, from which the animals had not yet been removed, was immediately made

ready for temporary occupation, and was opened for the serving of meals with a delay of only forty-eight hours. Plans for rebuilding were at once undertaken by the Society's architects, Messrs. G. W. & W. D. Hewitt, and it is expected that the work will be completed in time to meet the demands of summer patronage. The restored building will follow generally the exterior lines of the old one, but the inside arrangement has been considerably altered in the direction of public convenience.

The need of strict economy in directing the expenditures of the last half of the year prevented further construction of permanent character, and has indeed required the postponement of certain much-needed repairs, some of which, it is believed, may be made before the close of the year now beginning.

The Board desires to express its thanks to the generous patrons who have remembered the Society with gifts in the past.

By order of the Board,

ARTHUR ERWIN BROWN,

Secretary.

INCOME AND EXPENDITURES.

For fiscal year ending March 1st, 1899.

INCOME.

| | | |
|---|-----------|--------------------|
| Members' fees and dues | \$575 00 | |
| Admission receipts | 20,670 07 | |
| Rents at Garden | 250 00 | |
| Interest, discount, &c. | 1,343 70 | |
| Sundry receipts | 841 52 | |
| Sale of guide books | 88 65 | |
| Sales of animals | 791 00 | |
| Received from the city of Philadelphia through the Commissioners of Fairmount Park | 17,500 00 | |
| Donations | 55 00 | |
| | | <u>\$42,114 94</u> |

EXPENDITURES.

(Exclusive of Permanent Improvements, &c.)

| | | |
|---|--------------------|--------------------|
| Salaries and wages | \$18,653 00 | |
| Office expenses | 278 54 | |
| General expenses | 18,033 13 | |
| Purchase of animals | 6,172 11 | |
| | <u>\$43,136 78</u> | |
| Balance to debit of profit and loss | 1,021 84 | |
| | | <u>\$42,114 94</u> |

CAPITAL.

Receipts and expenditures for the year ending March 1st, 1899.

RECEIPTS.

| | | |
|--|----------|-----------------|
| Legacy, estate of Geo. S. Pepper, deceased . . . | \$675 00 | |
| Life memberships | 150 00 | |
| | | <u>\$825 00</u> |

EXPENDITURES.

| | | |
|---|------------|-----------------|
| New Small Mammal House (on account of) . . . | \$3,508 50 | |
| Balance (being excess of expenditures over re- ceipts of capital and provided from profit and loss) | 2,683 50 | |
| | | <u>\$825 00</u> |

HENRY T. COATES,

Treasurer.

Examined and found correct.

CHRISTIAN C. FEBIGER,

SAMUEL G. DIXON,

Committee on Audit.

LIST OF ADDITIONS TO THE MENAGERIE DURING THE YEAR
ENDING FEBRUARY 28TH, 1899.

1898.

- Mar. 1. 2 Swainson's Lorikeets (*Trichoglossus novæ-hollandiæ*) purchased. 1
Levaillant's Amazon (*Chrysotis levaillanti*) presented by Mrs. C. C.
Harrison, Philadelphia.
- " 2. 2 Black-backed Jackals (*Canis mesomelas*) born in the Gardens.
- " 5. 1 Chamois (*Rupicapra rupicapra*) ♂, 2 Turkey Vultures (*Ænops
aura*) purchased.
- " 11. 1 White-fronted Amazon (*Chrysotis leucocephala*) presented by Miss
J. Beatrice Castle, Philadelphia.
- " 13. 1 Alligator (*Alligator mississippiensis*) presented by Dr. Charles S.
Dolley, Philadelphia.
- " 16. 2 Whistling Swans (*Cygnus columbianus*) purchased. 1 Screech Owl
(*Scops asio*) presented by E. G. Schwendeman, Philadelphia. 1
Alligator (*A. mississippiensis*) presented by Misses Agnes and Evan-
geline Smith, Philadelphia.
- " 25. 1 Opossum (*Didelphys marsupialis*) presented by J. K. Vallance,
Philadelphia.
- " 28. 3 Diamond Rattlesnakes (*Crotalus adamanteus*), 1 Keeled Green Snake
(*Cyclophis æstivus*), 1 Ring-necked Snake (*Diadophis punctatus*),
1 Brown Water Snake (*Tropidonotus taxispilotus*), 2 Cyclops Water
Snakes (*Tropidonotus cyclopeum*) purchased.
- " 29. 1 White-fronted Amazon (*Chrysotis leucocephalus*) presented by Mrs.
H. Abbott, Chester, Pa. 14 Red Squirrels (*Sciurus hudsonius*) pre-
sented by Galloway C. Morris, Lake George, N. Y.
- April 1. 1 Alligator (*A. mississippiensis*) presented by Master J. F. Joline, Jr.,
Philadelphia.
- " 3. 1 Alligator (*A. mississippiensis*) presented by Benjamin Haines, Phila-
delphia.
- " 6. 1 Alligator (*A. mississippiensis*) presented by Mrs. E. Jansen, Phila-
delphia.
- " 8. 1 Diamond Rattlesnake (*Crotalus adamanteus*) purchased. 1 Nonpareil
(*Cyanospiza ciris*) presented by Miss Mary L. Field, Wilmington,
Del.
- " 9. 1 Brown Mynah (*Acridotheres fuscus*), 2 Pennant's Parrakeets (*Platy-
cercus elegans*) purchased.
- " 11. 1 Mockingbird (*Mimus polyglottus*) presented by Miss Katherine
Schofield. 1 Gila Monster (*Heloderma suspectum*) presented by
Daniel S. Newhall, Strafford, Pa. 2 Alligators (*A. mississip-
piensis*) presented by Miss Josephine Banes Closson, Philadelphia.
- " 12. 1 Brown Thrush (*Harporhynchus rufus*) presented by George Hick-
man, Philadelphia.
- " 13. 1 Raccoon (*Procyon lotor*) presented by Joseph Turton, Philadelphia.
1 Bactrian Camel (*Camelus bactrianus*) ♀ born in the Gardens.
- " 15. 1 Bactrian Camel (*Camelus bactrianus*) ♂ purchased.
- " 16. 1 Corn Snake (*Coluber guttatus*), 1 DeKay's Snake (*Storeria dekayi*)
presented by Henry F. Shultze, Philadelphia.
- " 20. 2 Alligators (*A. mississippiensis*) presented by Mrs. A. Lazarus,
Philadelphia.
- " 21. 6 Prairie Wolves (*Canis latrans*) born in the Gardens.

- April 23. 1 Harlequin Snake (*Elaps fulvius*), 1 Ring-necked Snake (*Diadophis punctatus*).
- " 26. 1 Rhesus Monkey (*Macacus rhesus*) ♂, 1 Silky Marmoset (*Midas rosalia*) ♀, 2 Boa Constrictors (*Boa constrictor*).
- " 28. 2 Purple-faced Monkeys (*Semnopithecus cephalopterus*) ♂ and ♀.
- " 29. 1 Keeled Green Snake (*Cyclophis aëstivus*), 4 Harlequin Snakes (*Elaps fulvius*), 1 Cyclops Water Snake (*Tropidonotus cyclopeum*), 8 Undulated Grass Parrakeets (*Melopsittacus undulatus*) purchased.
- " 30. 2 Great-horned Owls (*Bubo virginianus*) presented by Peter S. Dooner, Philadelphia. 1 Alligator (*A. mississippiensis*) presented by J. K. Smith, Jr., Philadelphia. 2 White Rats presented by William R. Aurand, Philadelphia. 2 Prairie Wolves (*Canis latrans*) born in the Gardens.
- May 2. 1 Raccoon (*Procyon lotor*) presented by Hon. D. Newlin Fell, Philadelphia.
- " 7. 2 Jungle Fowl (*Gallus bankiva*), ♂ and ♀, presented by Dr. Thomas Biddle, Philadelphia. 1 Oryx Antelope (*Oryx leucoryx*) ♂, 1 Owen's Kiwi (*Apteryx oweni*), 1 Mantel's Kiwi (*Apteryx mantelli*) purchased. 2 Alligators (*A. mississippiensis*) presented by Miss Katherine Schofield, Philadelphia.
- " 9. 1 Green Snake (*Liopeltis vernalis*), 1 Harlequin Snake (*Elaps fulvius*), 1 Cyclops Water Snake (*Tropidonotus cyclopeum*) purchased. 1 Agassiz' Tortoise (*Testudo agassizi*) presented by Herbert Brown, Tucson, Ariz.
- " 10. 2 Hog Deer (*Cervus porcinus*) ♀ ♀ born in the Gardens. 6 Striated Terrapin (*Clemmys insculptus*) presented by Herman Startzenbach, Philadelphia.
- " 11. 10 Green Lizards (*Lacerta viridis*) presented by Joseph N. Pearce, Philadelphia.
- " 12. 5 Prairie Dogs (*Cynomys ludovicianus*) born in the Gardens. 1 Purple-face Monkey (*Semnopithecus cephalopterus*) ♂ purchased. 2 White-nosed Coatis (*Nasua narica*) presented by Private Allie J. Kearney, B troop, Fifth United States Cavalry.
- " 15. 2 Alligators (*A. mississippiensis*) presented by C. J. Chesshire, Philadelphia. 1 Golden Pheasant (*Chrysolophus pictus*).
- " 17. 3 Prairie Dogs (*Cynomys ludovicianus*).
- " 18. 1 Virginia Deer (*Cariacus virginianus*) ♂ born in the Gardens.
- " 19. 1 White-haired Porcupine (*Erethizon dorsatus dorsatus*) purchased.
- " 20. 1 Gray Squirrel (*Sciurus carolinensis pennsylvanicus*) presented by Master Malvin Hubble, Philadelphia. 1 King Snake (*Ophibolus getulus getulus*) presented by Dr. Henry Skinner, Philadelphia.
- " 21. 2 Nine-banded Armadillos (*Tatusia novem cincta*), 2 Texas King Snakes (*O. getulus splendidus*), 2 Whip Snakes (*Zamenis flagelliformis*), 2 Say's Pine Snakes (*Pityophis sayi*) purchased.
- " 22. 1 Water Snake (*Tropidonotus fasciatus sipedon*) presented by Edward Brooks, Philadelphia. 1 Nylghaie (*Boselaphus tragocamelus*) ♀, 1 Sing-Sing Antelope (*Kobus unctuosus*) ♂, 2 Asiatic Wild Asses (*Equus hemionus*) ♂ and ♀, 1 Axis Deer (*Cervus axis*) ♂, 1 Hog Deer (*Cervus porcinus*) ♂, 3 Black Lemurs (*Lemur macaco*) ♂ and 2 ♀, 1 Anubis Baboon (*Papio anubis*) ♀, 2 White-crowned Mangabeys (*Cercocebus athiops*) ♂ and ♀, 1 Pluto Monkey (*Cercopithecus*

- leucampyx*) ♂, 2 Banded Ichneumons (*Crossarchus fasciatus*), 4 Black Swans (*Cygnus atratus*), 2 Black-necked Swans (*Cygnus melanocoryphus*), 2 White Storks (*Ciconia ciconia*), 2 Black Storks (*Ciconia nigra*), 1 Crested Pelican (*Pelecanus crispus*), 2 Sarus Cranes (*Grus antigone*), 8 Demoiselle Cranes (*Anthropoides virgo*), 1 Marabou Stork (*Leptoptilus crumeniferus*), 4 Ruddy Sheldrakes (*Casarca casarca*), 2 Gray Geese (*Anser anser*), 2 Golden Eagles (*Aquila chrysaetos*), 2 Spotted Eagles (*Aquila maculata*) purchased.
- May 25. 1 Water Snake (*Tropidonotus fasciatus sipedon*) presented by Master Harold Dodge, Philadelphia. 1 Bald Eagle (*Haliaeetus leucocephalus*) presented by W. Coleman Hall, Hall's Station, Pa.
- " 26. 2 Diamond Rattlesnakes (*Crotalus adamanteus*), 1 Wild Cat (*Felis rufus*) purchased.
- " 28. 1 Opossum (*Didelphys marsupialis*) presented by George Vaux, Bryn Mawr, Pa.
- " 30. 1 Venezuela Passerine Parrakeet (*Psittacula guianensis*) presented by Master Donald R. McCain, Philadelphia. 1 Chapman's Zebra (*Equus burchelli chapmani*) ♀ born in the Gardens.
- " 31. 2 Black snakes (*Zamenis constrictor*) presented by Prof. F. W. Wamsley, Philadelphia.
- June 1. 1 Horned Lizard (*Phrynosoma cornuta*) presented by James W. McFillin, Philadelphia. 1 Alligator (*A. mississippiensis*) presented by Master Vernon Neff, Philadelphia.
- " 2. 1 Diana Monkey (*Cercopithecus diana*), 2 Moor Macaques (*Macacus maurus*), 2 Sooty Mangabeys (*Cercocebus fuliginosus*), 1 Grivet Monkey (*Cercopithecus sabaeus*), 2 Badgers (*Taxidea taxus*), 1 Active Gibbon (*Hylobates agilis*) ♂, 2 Trumpeters purchased. 2 Guinea Pigs presented by Master Henry Heine, Philadelphia. 2 Amherst Pheasants (*Chrysolophus amherstiae*), 3 Golden Pheasants (*Chrysolophus pictus*) bred in the Gardens.
- " 3. 1 Alligator (*A. mississippiensis*) presented by Master Theodore Armstrong, Philadelphia.
- " 4. 1 Great-horned Owl (*Bubo virginianus*) presented by J. A. E. Norcross, Vincentown, N. J. 3 Silver Pheasants (*Gennæus nycthemerus*) bred in the Gardens.
- " 7. 1 Western Sand Snake (*Heterodon nasicus*), 1 Badger (*Taxidea taxus*) ♀ purchased.
- " 10. 3 Garter Snakes (*Eutania sirtalis sirtalis*) presented by Master Warner J. McFarlane, Philadelphia. 1 Lesser Sulphur-crested Cockatoo (*Cacatua sulphurea*) presented by Mrs. H. C. Rinehart, Philadelphia. 1 Fallow Deer (*Cervus dama*).
- " 11. 2 Virginia Deer (*Cariacus virginianus*) born in the Gardens. 2 Giant Squirrels (*Sciurus indicus*) purchased.
- " 12. 1 Guinea Pig presented by Charles Voigt, Philadelphia. 1 Alligator (*A. mississippiensis*) presented by James S. DeBenneville, Philadelphia.
- " 13. 3 Garter Snakes (*Eutania sirtalis sirtalis*) presented by Master Warner J. Macfarlane, Philadelphia. 1 Opossum and 8 young (*Didelphys marsupialis*) presented by Thomas F. B. Wunder, Penllyn, Pa.
- " 14. 1 Prairie Dog (*Cynomys ludovicianus*) presented by Miss Jean I. Clarke, Philadelphia. 3 Golden Pheasants (*Chrysolophus pictus*) bred in the Gardens.

- June 15. 1 Woodchuck (*Arctomys monax*) presented by William D. Winsor, Ardmore, Pa. 1 Spotted Terrapin (*Clemmys guttatus*) and 4 Alligators (*A. mississippiensis*) presented by Von Hoff L. Stoeve, Philadelphia.
- " 16. 1 Opossum and 3 young (*Didelphys marsupialis*) presented by M. L. Kochenderfer, Frazer, Pa. 7 Amherst Pheasants (*Chrysolophus amherstiae*) bred in the Gardens.
- " 17. 1 Green Turtle (*Chelonia mydas*) purchased.
- " 18. 1 Red-tailed Buzzard (*Butes borealis*) presented by Dr. N. S. Essig, Philadelphia. 20 White Mice presented by James T. Donnelly, Philadelphia.
- " 20. 1 Woodchuck (*Arctomys monax*) presented by H. H. Kerr, Philadelphia. 1 Pine Snake (*Pityophis melanoleucus*) presented by Eberhard Bauer, Philadelphia. 1 Screech Owl (*Scops asio*) presented by John Wein, Philadelphia. 1 Canary Finch (*Serinus serinus*) presented by Miss Kathleen Darrach, Philadelphia. 1 Gray Wolf (*Canis lupus mexicanus*) ♂.
- " 21. 3 Madagascar Boas (*Boa madagascariensis*), 3 Madagascar Tree Boas (*Corallus madagascariensis*), 4 Sharp-nosed Snakes (*Lioheterodon madagascariensis*) purchased. 5 Dark Green Snakes (*Zamenis gemonensis*), 4 Dahl's Snakes (*Zamenis dahl*), 2 Spotted Snakes (*Coluber leopardinus*), 1 Four-lined Snake (*Coluber quatuor lineatus*), 5 Vivacious Snakes (*Tarbophis fallax*), 3 Lacertine Snakes (*Cælopettis monspessulanus*), 4 Tesselated Snakes (*Tropidonotus tessellatus*), 2 Ringed Snakes (*Tropidonotus natrix*), 5 Green Lizards (*Lacerta viridis*) received in exchange.
- " 23. 2 Ring-tailed Bassaris (*Bassaris astuta*) born in the Gardens.
- " 24. 1 Banded Rattlesnake (*Crotalus horridus*).
- " 25. 2 Blossom-headed Parrakeets (*Pulæornis cyanocephalus*) purchased. 1 Smooth Green Snake (*Liopeltis vernalis*) presented by C. F. Strawmyre, Altoona, Pa.
- " 26. 1 Woodchuck (*Arctomys monax*) presented by William H. Quirk, Philadelphia.
- " 27. 1 Gray Fox (*Canis cinereo-argentatus*) presented by Mrs. Edward L. Reimann, Philadelphia. 1 Beaver (*Castor fiber canadensis*) born in the Gardens.
- " 28. 2 Tigers (*Felis tigris*) ♂ and ♀, 1 Oryx Antelope (*Oryx leucoryx*) ♀, 1 Indian Antelope (*Antilope cervicapra*) ♂, 1 Beccari's Cassowary (*Casuarus beccarii*), 3 Gray-headed Gallinules (*Porphyrio poliocephalus*), 3 Indian Gallinules (*Porphyrio calvus*), 1 Indian Python (*Python molurus*) purchased. 7 Silver Pheasants (*Gennæus nycthemerus*) bred in the Gardens.
- " 29. 1 Least Bittern (*Botaurus exilis*) presented by Miss Isabel Burwinkle, Philadelphia.
- " 30. 1 Rhesus Macaque (*Macacus rhesus*) presented by George Moss, Philadelphia. 6 Jungle Fowl (*Gallus bankiva*) bred in the Gardens.
- July 2. 1 Black Snake (*Zamenis constrictor*) presented by C. Wilson, Frazer, Pa. 1 Gray Ichneumon (*Herpestes mungo*) presented by J. C. Hilt, Philadelphia.
- " 5. 1 Emory's Snake (*Coluber emoryi*) purchased.
- " 7. 1 Elk (*Cervus canadensis*) born in the Gardens.

July 9. 5 Silver Pheasants (*Gennæus nycthemerus*) bred in the Gardens.

- " 11. 1 Horned Lizard (*Phrynosoma cornuta*) presented by Master Crosby Pennock, Lansdowne, Pa. 1 Alligator (*A. mississippiensis*) presented by Miss Mattie Rogers, Philadelphia.
- " 12. 1 Indian Antelope (*Antilope cervicapra*) born in the Gardens. 1 Alligator (*A. mississippiensis*) presented by Miss Whiteman, Philadelphia. 2 Banded Rattlesnakes (*Crotalus horridus*), 3 Moccasins (*Ancistrodon piscivorus*), 5 Arizona Diamond Rattlesnakes (*C. adamanteus atrox*), 1 Say's King Snake (*O. getulus sayi*), 3 Say's Pine Snakes (*Pityophis sayi*), 3 Mountain Black Snakes (*Coluber obsoletus*), 6 Whip Snakes (*Zamenis flagelliformis*), 5 Horned Lizards (*Phrynosoma cornuta*), 1 American Porcupine (*Erethizon dorsatus dorsatus*), 1 Hairy-rumped Agouti (*Dasyprocta prymnolopha*) purchased.
- " 13. 1 Indian Antelope (*Antilope cervicapra*) born in the Gardens.
- " 14. 1 Screech Owl (*Scops asio*) presented by Abraham Royer, Philadelphia. 1 Elk (*Cervus canadensis*) born in the Gardens.
- " 16. 2 Alligators (*A. mississippiensis*) presented by Robert S. Harden, Philadelphia.
- " 17. 1 Robin (*Turdus migratorius*) presented by George W. Algar, Merchantville, N. J. 1 Painted Terrapin (*Chrysemys picta*) presented by Master Albert Truscott, Philadelphia.
- " 18. 1 Virginia Rail (*Rallus virginianus*) presented by Porter Strode, Philadelphia.
- " 19. 1 Turtle Dove (*Turtur risorius*), 1 Canary Finch (*Serinus serinus*) presented by C. Martz, Philadelphia. 2 Blood-breasted Pigeons (*Phlogoenas luzonica*), 2 Dark-backed Pigeons (*Columba phæonota*), 1 Wood Pigeon (*Columba palumbus*), 2 Gray Struthideas (*Struthidea cinerea*), 1 Pastor Bird (*Prothemadiera novæ-zealandiæ*), 1 European Jay (*Garrulus glandarius*), 1 Jackdaw (*Corvus monedula*), 3 European Magpies (*Pica pica*), 2 Black-tailed Parrakeets (*Polytelis melanurus*), 1 Bauer's Parrakeet (*Platycercus zonarius*), 2 Mandarin Ducks (*Aix galericulata*), 3 Tufted Ducks (*Fuligula fuligula*), 4 Common Teal (*Querquedula crecca*), 2 Blue-billed Tree Ducks (*Dendrocygna javanica*), 1 European Coot (*Fulica atra*), 24 European Spotted Salamanders (*Salamandra salamandra*) purchased.
- " 21. 2 Opossums (*Didelphys marsupialis*) presented by Harry D. Edwards, Philadelphia, 2 Alligators (*A. mississippiensis*) presented by Harry Miller, Philadelphia.
- " 23. 2 Common Rabbits presented by J. C. McMenamin, Philadelphia.
- " 24. 10 Musk Turtles (*Cinosternum odoratus*) presented by Thomas Pear-sall, Philadelphia, 3 Silver Pheasants (*Gennæus nycthemerus*) bred in the Gardens.
- " 25. 2 Gray Foxes (*Canis cinereo-argentatus*).
- " 26. 1 Binturong (*Arctictis binturong*) purchased.
- " 28. 1 Skylark (*Alauda arvensis*) presented by Miss Sadie Williamson, Philadelphia. 1 Red Kangaroo (*Macropus rufus*) born in the Gardens. 4 Common Rabbits presented by Miss Florence Broad-bent, Philadelphia.

- July 29. 1 Snapping Turtle (*Chelydra serpentina*), 1 Box Tortoise (*Terrapene carolina*), 1 Bull Frog (*Rana catesbiana*) presented by Master Harold Dodge, Philadelphia.
- " 30. 1 Black Snake (*Zamenis constrictor*) presented by James K. Grace, Thurlow, Pa. 1 Painted Terrapin (*Chrysemys picta*) presented by Mrs. L. C. Hutt, Philadelphia. 1 Gray Squirrel (*Sciurus carolinensis pennsylvanicus*) presented by Harry Higgins, Philadelphia.
- Aug. 1. 1 Short-eared Owl (*Asio accipitrinus*) presented by Dr. Ward F. Sprenkel, Philadelphia.
- " 2. 6 Opossums (*Didelphys marsupialis*) born in the Gardens.
- " 5. 1 Ring-necked Parrakeet (*Palaornis torquatus*) presented by Mrs. William Green, Philadelphia. 2 Robins (*Turdus migratorius*) presented by Mrs. Stephen Smith, Philadelphia.
- " 8. 1 Red Deer (*Cervus elephas*) ♀ born in the Gardens. 2 Turkey Vultures (*Enops aura*), 1 Opossum (*Didelphys marsupialis*) presented by Joseph C. Hunsicker, Ironbridge, Pa.
- " 11. 1 Night Hawk (*Chordeiles virginianus*) presented by Master Charles Winter, Philadelphia.
- " 13. 1 Badger (*Taxidea taxus*) ♂, 1 Diamond Rattlesnake (*Crotalus adamanteus*) purchased.
- " 14. 1 Fallow Deer (*Cervus dama*) ♀, 1 Elk (*Cervus canadensis*) ♀ born in the Gardens.
- " 15. 1 Alligator (*A. mississippiensis*) presented by Frederick Pierce, Millville, N. J. 1 Opossum (*Didelphys marsupialis*) presented by C. F. Boner, Philadelphia.
- " 16. 2 Great-horned Owls (*Bubo virginianus*) presented by A. R. Garden, Cape May, N. J.
- " 19. 1 Hog Deer (*Cervus porcinus*) ♂ born in the Gardens. 6 American Spotted Salamanders (*Amblystoma punctata*), 1 Red Salamander (*Spelerpes rubra*) presented by John W. Thompson, Philadelphia.
- " 22. 1 Spotted Cavy (*Caelogenys paca*) ♀ purchased. 1 Smooth Green Snake (*Liopeltis vernalis*) presented by R. Hume, Philadelphia.
- " 23. 4 Sacken's Garter Snakes (*Eutania sackeni*) born in the Gardens.
- " 24. 2 Turkey Vultures (*Enops aura*) presented by John A. Souder, Sellersville, Pa. 1 Long-tailed Salamander (*Spelerpes longicaudus*) presented by H. Barton Hart, Philadelphia. 1 Orbicular Horned Lizard (*Phrynosoma orbiculare*) presented by Harry C. McIntire, Philadelphia.
- " 26. 1 Blue-fronted Amazon (*Chrysotis versicolor*) presented by Albert Diehr, Philadelphia. 2 Gray Foxes (*Canis cinereo-argentatus*).
- " 27. 1 Muntjac Deer (*Cervulus muntjac*) ♂, 4 Red Monkeys (*Cercopithecus patas*), 1 Campbell's Monkey (*Cercopithecus campbelli*), 2 Bearded Vultures (*Gypætus barbatus*), 2 Adalbert's Eagles (*Aquila adalberti*), 2 Black Storks (*Ciconia nigra*), 4 Choughs (*Pyrrhonorax graculus*), 5 Teal purchased.
- " 28. 1 Snapping Turtle (*Chelydra serpentina*) presented by Samuel Holt, Philadelphia.
- " 30. 2 Water Snakes (*Tropidonotus fasciatus sipedon*) presented by John W. Thompson, Philadelphia.
- " 31. 1 Raccoon (*Procyon lotor*) presented by Master Joseph Hellings, Philadelphia.

- Sept. 1. 1 Elk (*Cervus canadensis*) ♂ born in the Gardens.
 " 2. 1 Raccoon (*Procyon lotor*) presented by William Boyer, Shelly's, Pa.
 " 5. 1 Blue-fronted Amazon (*Chrysotis versicolor*) presented by C. P. Clayton, Philadelphia.
 " 9. 1 European Blackbird (*Merula merula*).
 " 11. 1 Diamond Rattlesnake (*Crotalus adamanteus*), 1 Harlequin Snake (*Elaps fulvius*), 2 Ring-necked Snakes (*Diadophis punctatus*) purchased.
 " 12. 1 Opossum (*Didelphys marsupialis*) presented by Abraham Royer, Philadelphia.
 " 13. 1 Pied-billed Grebe (*Podilymbus podiceps*) presented by Ambrose S. Taylor, West Chester, Pa.
 " 14. 1 European Hare (*Lepus europæus*) presented by Mrs. C. S. Crosby, Philadelphia.
 " 15. 1 Alligator (*A. mississippiensis*) presented by Dr. W. H. Pratt, Camden, N. J.
 " 16. 1 Hog Deer (*Cervus porcinus*) ♂, 3 Ground Rattlesnakes (*Sistrurus miliarius*).
 " 19. 17 Cyclops Water Snakes (*Tropidonotus cyclopeum*) born in the Gardens.
 " 20. 1 Snapping Turtle (*Chelydra serpentina*) presented by Miss Helen Haas, Philadelphia.
 " 21. 1 Banded Rattlesnake (*Crotalus horridus*) purchased. 1 Green Monkey (*Cercopithecus callitrichus*), 1 Common Marmoset (*Hapale jacchus*), 1 St. Thomas Conure (*Conurus pertinax*), 1 Swainson's Lorikeet (*Trichoglossus novæ-hollandiæ*), 1 Undulated Grass Parrakeet (*Melopsittacus undulatus*), 1 Gray-headed Lovebird (*Agapornis cana*), 1 Red-crested Cardinal (*Paroaria cucullata*) presented by C. B. Meeks, Allenhurst, N. J.
 " 22. 1 Gray Squirrel (*Sciurus carolinensis pennsylvanicus*) presented by Dr. F. P. Wilcox, Philadelphia.
 " 23. 4 Arizona Diamond Rattlesnakes (*C. adamanteus atrox*) purchased.
 " 24. 1 Virginia Deer (*Cariacus virginianus*) ♀ presented by George J. Miller, Germantown, Philadelphia. 2 Copperhead Snakes (*Ancistrodon contortrix*) purchased.
 " 25. 1 Diamond Rattlesnake (*Crotalus adamanteus*), 2 Harlequin Snakes (*Elaps fulvius*) purchased. 2 Angulated Tortoises (*Testudo angulata*) presented by Horace Smith, Philadelphia. 1 Yellow-fronted Amazon (*Chrysotis ochrocephala*) presented by Mrs. D. B. Ervin, Philadelphia.
 " 26. 1 Hog-nosed Snake (*Heterodon platyrhinos*) presented by H. O. Hoover, Philadelphia. 4 Jungle Fowl (*Gallus bankiva*) bred in the Gardens.
 " 27. 1 Blue-throated Blue Warbler (*Dendroica cærulescens*) caught in the Gardens.
 " 28. 1 Elk (*Cervus canadensis*) ♀ born in the Gardens.
 Oct. 1. 1 Water Snake (*T. fasciatus sipedon*) presented by W. L. Andrews, Fellowship, N. J.
 " 3. 1 Alligator (*A. mississippiensis*) presented by Miss A. Wood, Philadelphia.
 " 6. 1 Woodchuck (*Arctomys monax*) presented.

- Oct. 7. 2 Gray Squirrels (*Sciurus carolinensis pennsylvanicus*) presented by Miss Nellie Graff, Philadelphia.
- " 8. 1 Hog Deer (*Cervus porcinus*) ♂ born in the Gardens. 1 Woodchuck (*Arctomys monax*) presented by Messrs. Blasius & Sons, Philadelphia.
- " 10. 2 Alligators (*A. mississippiensis*), 3 Painted Terrapins (*Chrysemys picta*) presented by Samuel K. Cissel, Philadelphia.
- " 12. 2 Barn Owls (*Strix flammea pratincta*) presented by Master Francis Lewis Shields, Germantown, Philadelphia. 1 Alligator (*A. mississippiensis*) presented by H. C. Stockton, Philadelphia. 1 Alligator (*A. mississippiensis*) presented by Miss Carrie Jolly, Philadelphia.
- " 15. 2 White-throated Sparrows (*Zonotrichia albicollis*) caught in the Gardens. 1 Song Thrush (*Turdus musicus*) presented by Miss Sadie Williamson, Philadelphia. 1 Garter Snake (*Eutænia sirtalis sirtalis*) presented by Harold Goodwin, Philadelphia.
- " 17. 1 Diamond Rattlesnake (*Crotalus adamanteus*), 2 Ring-necked Snakes (*Diadophis punctatus*), 1 Slender Snake (*Stilosoma extenuata*) purchased.
- " 19. 1 Alligator (*A. mississippiensis*) presented by Mrs. T. W. Lindsey, Philadelphia.
- " 20. 1 Alligator (*A. mississippiensis*) presented by Dr. C. R. Martienssen, Philadelphia.
- " 21. 4 Barn Owls (*Strix flammea pratincta*).
- " 24. 1 Yaguarundi (*Felis yaguarundi*) purchased. 5 Box Tortoises (*Terrapene carolina*), 3 Spotted Terrapins (*Clemmys guttatus*) presented by Mrs. Amelia Kusterer, Philadelphia.
- " 26. 1 Alligator (*A. mississippiensis*) presented by Dr. J. M. Brown, Philadelphia.
- " 30. 1 Common Marmoset (*Hapale jacchus*) presented by William W. Macfarlane, Chester, Pa. 1 Bald Eagle (*Haliaeetus leucocephalus*) presented by George B. Benners, Jamesville, Va.
- Nov. 1. 1 Painted Terrapin (*Chrysemys picta*) presented by Miss Margaret Goodwin, Philadelphia. 1 Blue-bearded Jay (*Cyanocorax chrysops*).
- " 2. 2 Muis Deer (*Tragulus meminna*) ♂ and ♀ purchased.
- " 9. 2 Fat-tailed Sheep (*Ovis aries*) ♂ and ♀ born.
- " 13. 1 Ocelot (*Felis pardalis*) ♀ presented by Miss Frank Reaney, Philadelphia.
- " 19. 1 Grand Eclectus (*Electus roratus*), 1 Illiger's Macaw (*Ara maracana*) purchased, 3 Diamond Rattlesnakes (*Crotalus adamanteus*), 10 Ground Rattlesnakes (*Sistrurus miliarius*), 12 Black Snakes (*Zamenis constrictor*), 3 Chicken Snakes (*Coluber quadrivittatus*), 4 Corn Snakes (*Coluber guttatus*), 2 Garter Snakes (*Eutænia sirtalis sirtalis*), 2 Sacken's Garter Snakes (*Eutænia sackeni*), 4 Glass Snakes (*Ophisaurus ventralis*), 1 Keeled Green Snake (*Cyclophis æstivus*), 21 Hog-nosed Snakes (*Heterodon platyrhinos*), 5 Indigo Snakes (*Coluber corais couperi*), 16 King Snakes (*Ophibolus getulus getulus*), 10 Pine Snakes (*Pityophis melanoleucus*), 5 Scarlet Snakes (*Cemophora coccinea*), 21 Whip Snakes (*Zamenis flagelliformis*), and 1 Green Lizard (*Anolis principalis*) purchased.
- " 20. 1 Painted Terrapin (*Chrysemys picta*) presented by Master Stanley Hurlbert, Philadelphia.

- Nov. 21. 1 Opossum (*Didelphys marsupialis*) presented.
- “ 30. 1 Great Northern Loon (*Urinator immer*) presented by Dr. James F. Prendergast, Philadelphia. 1 Red-tailed Buzzard (*Buteo borealis*) presented by John DeHaven, Philadelphia.
- Dec. 3. 1 Alligator (*A. mississippiensis*) presented by M. K. Dress, Philadelphia.
- “ 13. 1 Ocelot (*Felis pardalis*) ♀ presented by Henry C. Blair, Philadelphia.
- “ 16. 1 Wonga-wonga Pigeon (*Leucosarcia picata*).
- “ 20. 1 Green-winged Trumpeter (*Psophia viridis*), 2 Barraband's Parakeets (*Polytelis barrabandi*), 1 Pennant's Parakeet (*Platycercus elegans*) purchased. 1 Red-tailed Buzzard (*Buteo borealis*) presented by Abraham Royer, Philadelphia.
- “ 22. 1 Pine Snake (*Ptyophis melanoleucus*) presented by Magistrate John B. Lukens, Philadelphia.
- “ 24. 1 Keeled Green Snake (*Cyclophis æstivus*), 1 Hog-nosed Snake (*Heterodon platyrhinos*) presented by F. W. Walmsley, Bridgeton, N. J. 1 Bald Eagle (*Haliaeetus leucocephalus*) presented by O. W. Eastburn, Philadelphia.
- 1899.
- Jan. 2. 1 Opossum (*Didelphys marsupialis*) presented by F. W. Herbert, Philadelphia.
- “ 15. 1 European Magpie (*Pica pica*), 1 Ring-necked Parakeet (*Palæornis torquatus*) purchased.
- “ 19. 4 Brown Bears (*Ursus arctos*), 1 Hog Deer (*Cervus porcinus*) born in the Gardens.
- “ 20. 1 Painted Terrapin (*Chrysemys picta*) presented by William H. Loeb, Philadelphia. 1 Great-horned Owl (*Bubo virginianus*) purchased.
- “ 28. 1 Flying Squirrel (*Sciuropterus volucella*) presented by J. M. Zook, Jr., Philadelphia.
- “ 29. 75 White Rats presented by Jesse Vogdes, Philadelphia.
- Feb. 2. 1 Red-tailed Buzzard (*Buteo borealis*) presented by A. Scholz, Philadelphia.
- “ 4. 1 Black-handed Spider Monkey (*Sapajou geoffroyi*) purchased.
- “ 11. 1 Meadowlark (*Sturnella magna*) captured in the Gardens.
- “ 16. 1 Holbæll's Grebe (*Colymbus holbælli*) presented by Harry Myers, Philadelphia.
- “ 20. 1 Green-cheeked Amazon (*Chrysotis viridigenalis*) presented by A. Scholz, Philadelphia.
- “ 23. 1 Hog Deer (*Cervus porcinus*) ♀ born in the Gardens.
- “ 24. 2 Six-banded Armadillos (*Dasypus sexcinctus*) purchased.
- “ 27. 1 Indian Antelope (*Antilope cervicapra*) ♀ born in the Gardens.
- “ 28. 1 Woodchuck (*Arctomys monax*) presented by J. N. Warren, Delaware City, Del. 2 Green Jays (*Xanthura luxuosa*) purchased.

